[redacted]

## Safety Data Sheet



## Section 1: Product and Company Identification

**Product Name:** [redacted]
**Manufacturer:**
**Telephone Number:**
**Address:**

**Prepared:** 01/17/2019

**Recommended use of Chemical and restrictions on uses advised against:**

This product is used in industrial manufacturing, particularly in:

Ceramics Borosilicate glass Fiberglass

### Section 2: Hazards Identification

#### 2.1 Classification Of substance:

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**
Reproductive toxicity (Category 2) H361 Suspected of damaging fertility or the unborn child

#### 2.2 GHS Label Elements

**Pictogram** **Signal Word** Warning

**Hazard Statements**
**H361** Suspected of damaging fertility or the unborn child

**Precautionary Statements**
**P201** Obtain special instructions before use
**P202** Do not handle until all safety precautions have been read and understood
**P281** Use personal protective equipment as required.
**P308/P313** If exposed or concerned: get medical advice/attention
**P405** Store locked up
**P501** Dispose of contents/container to an approved waste disposal plant.

[redacted]

**Emergency Overview:**

**Odor, Color, Grade:** Light yellow liquid
**General Physical Form**: Liquid
**Immediate health, physical, and environmental hazards**: The environmental properties of this product present a low environmental hazard. This product, when used under reasonable conditions and in accordance with the [redacted] directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

### 2.3 Potential Health Effects

Inhalation is the most significant route of exposure in occupational and other settings. Dermal exposure is not usually a concern because it is poorly absorbed through intact skin.

**Inhalation**
Occasional mild irritation effect to nose and throat may occur from inhalation of dusts at levels higher than 10 $mg/m^3$.

**Eye Contact**
Non irritating to eyes in normal industrial use.

**Skin contact**
Does not cause irritation to intact skin.

**Ingestion**
Products containing IM18B are not intended for ingestion.

**Other**
According to the U.S. Environmental Protection Agency this substance presents concerns for neurotoxicity and Specific Target Organ Toxicity (Lungs) when applied to particles.

## Section 3: Composition/Ingredients

| Ingredient | C.A.S. No. | OSHA PEL | ACGIH TLV | % by Weight |
|---|---|---|---|---|
| Boric Acid (H3BO3), Isooctadecyl Esters | 59802-07-2 | NA | NA | >98% |

## Section 4: First Aid Measures

### 4.1 First Aid Procedures

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye First Aid:** Flush eyes with clean, lukewarm water for 15 minutes. Obtain medical attention if irritation develops. Seek medical attention if symptoms persist.

**Skin First Aid:** Remove contaminated clothing; wash affected area well with soap and water. Launder well before use. Seek medical attention if symptoms persist.

**Skin Contact**: Wash with soap and water. Get medical attention if irritation develops or persists.

**Inhalation First Aid:** Move out of area into fresh air. Get immediate medical attention if cough or other symptoms develop.

**Ingestion First Aid:** Get immediate medical attention. Never induce vomiting by giving anything by mouth to an unconscious person.

## Section 5: Fire Fighting Measures

**5.1 Flammable Properties**

| | |
|---|---|
| **Autoignition Temperature:** | *Not Applicable* |
| **Flash Point (TCC):** | *Not determined* |
| **Flammable Limits LEL:** | *Not Determined* |
| **Flammable Limits UEL:** | *Not Determined* |

**5.2 Extinguishing Media**

Foam, $CO_2$, Dry Chemical, Water Spray

**5.3 Protection of Fire Fighters**

**Special Fire Fighting Procedures:** Wear full protective equipment (Bunker Gear) and self-contained breathing apparatus (SCBA). Use caution when using water as frothing may occur and thereby increasing fire intensity.

**Unusual Fire and Explosion Hazards:** No unusual fire or explosion hazards are anticipated.

**Sensitivity to Explosion by Mechanical Impact:** None expected

**Sensitivity to Explosion by Static Discharge:** None expected

**Conditions of flammability:** Material will burn; avoid sources of ignition and temperatures that are within range of the flash point.

**Note: See 'Stability and Reactivity (Section 10) for hazardous combustion and thermal decomposition information.**

## Section 6: Accidental Release Measures

**Accidental Release Measures:**

**General:** This material should be prevented from contaminating soil or from sewerage and drainage systems and bodies of water. Isolate hazard/spill area. Keep unnecessary and unprotected personnel from entering area. If not contaminated with debris, return to original container.

**Small Spill:** Absorb spill with inert material, then place in chemical waste container.

**Large Spill:** Shut of leak, if safe to do so. Clean up spills immediately, observing precautions in Protective equipment section. Contain spilled liquid with sand or earth. Retain contaminated water and soil for removal and treatment.

## Section 7: Handling and Storage

**7.1 Handling**

This material does not present a significant skin and eye hazard. Skin and eye contact should be prevented as good industrial hygiene practice. Wearing of protective gloves and eye protection is recommended. Always establish the practice of washing arms and hands after handling.

**7.2 Storage**

Store in a cool, dry and well ventilated area. Avoid contact or exposure to incompatible substances. Avoid areas where there are ignition sources.

## Section 8: Exposure Controls/Personal Protection

**8.1 Control parameters**

Occupational exposure limits for dust are treated by OSHA, Cal OSHA and ACGIH as “Particulate Not Otherwise Classified” or “Nuisance Dust”.
Respect regulatory provisions for dust (total and respirable).

| | |
|---|---|
| ACGIH/TLV | 10 mg/m$^3$ |
| Cal OSHA/PEL | 10 mg/m$^3$ |
| OSHA/PEL (total dust) | 15 mg/m$^3$ |
| OSHA/PEL (respirable dust) | 5 mg/m$^3$ |

**DNEL values**

| Exposure pattern | Type/site effect | Exposure Route | DNEL value |
|---|---|---|---|
| **DNEL For Workers** | | | |
| Long term | Systemic | Inhalation | 8.3 mg BA/m$^3$ |
| Long term | Systemic | Dermal | 3924800 mg BA/day |
| **DNEL for the general public** | | | |
| Acute | Systemic | Oral | 0.98 mg BA/kg bw/day |
| Long term | Systemic | Dermal (external) | 196 mg BA/kg bw/day |
| Long term | Systemic | Dermal (systemic) | 0.98 mg BA/kg bw/day |
| Long term | Systemic | Inhalation | 4.15 mg BA/m$^3$ |
| Long term | Systemic | Oral | 0.98 mg BA/kg bw/day |

**PNEC values**

**PNEC** add, freshwater marine water = 1.35 mg B/L
**PNEC** add, aqua intermittent = 9.1 mg B/L
**PNEC** add, freshwater sediment, marine water sediment = 1.8 mg B/kg sediment dry weight
**PNEC** add, STP = 1.75 mg B/L

**8.2 Exposure Controls**

Sources of fine spray, mist or vapor should be controlled with local exhaust ventilation.

**8.3 Personal Protection Equipment (PPE)**

**8.3.1 Eye/Face Protection**

Always use safety glasses**.** Where contact with the eyes is likely, use chemical goggles.

**8.3.2 Skin Protection**

Wear impervious Gloves and chemical protective clothing to prevent contact with skin.

**8.3.3 Respiratory Protection**

A NISOH approved APF 10 must be worn.

[redacted]

**8.3.4 Prevention of Swallowing**
Do not swallow

**8.3 Exposure Guidelines**
None Established

## Section 9: Physical and Chemical Properties

**Odor, Color, Grade**
**General Physical Form**
**Autoignition temperature**
**Flash Point (TCC)**
**Flammable Limits—LEL**
**Flammable Limits—UEL**
**Melting Point**
**Density**
**Vapor Density**
**Vapor Pressure**
**Specific Gravity**
**pH**
**Melting Point**
**Solubility Water**
**Evaporation rate**
**Percent Volatile**
**Viscosity**

[redacted]

## Section 10: Stability and Reactivity

**Stability:** Stable
**Materials and Conditions to Avoid:** Avoid contact with strong reducing agents
**Hazardous Polymerization:** Hazardous Polymerization will not occur.
**Hazardous Decomposition or By-Products:** [redacted] Oxides
**Strong Oxidizer:** No

## Section 11: Toxicological Information

According to the U.S. Environmental Protection Agency this substance presents concerns for neurotoxicity and Specific Target Organ Toxicity (Lungs) when applied to particles.

## Section 12: Ecological Information

Not determined

## Section 13: Disposal Considerations

**Waste Disposal Method:**
Since regulations vary, consult applicable regulations or authorities before disposal.

## Section 14: Transport Information

Not regulated per U.S. DOT, IATA or IMO.

| | |
|---|---|
| DOT Shipping Name: | Not regulated |
| Hazard Class | NA |
| Packing Group | NA |
| UN/NA No. | NA |
| DOT Labels | None |
| DOT Placard (bulk) | None |

## Section 15: Regulatory Information

**311/312 Hazard Categories:**

- SARA 311/312 Chronic Health — Not determined
- SARA 311/312 Acute Health hazard — Irritant
- SARA 311/312 Fire hazard — No
- SARA 311/312 Sudden Pressure — No
- SARA 311/312 Reactivity Hazard — No

**Section 302 – Extremely Hazardous Ingredient(s)** None

**CERCLA Hazardous Substances(s)** None

**Section 313 Toxic Chemicals** None

**NJ Environmental Hazardous Substances List** No

**Other States Listings** Not to our knowledge

**California Proposition 65 Ingredients** None

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## Section 16: Other Information

**NFPA Hazard Classification**

**Health: 2**
**Flammability: 2**
**Reactivity: 1**
**Special Hazards: None**

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent

[redacted]

physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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